

CEE 1

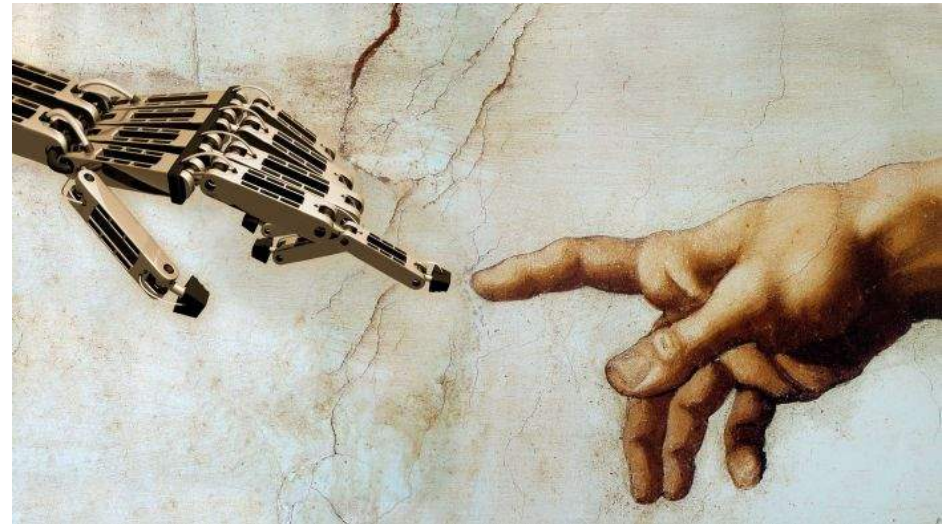
ALUMNI PANEL

Sam Zabb-Parmley, P.E.
Consulting Engineer
5 November 2021



EDUCATION

Electrical Engineering



EDUCATION

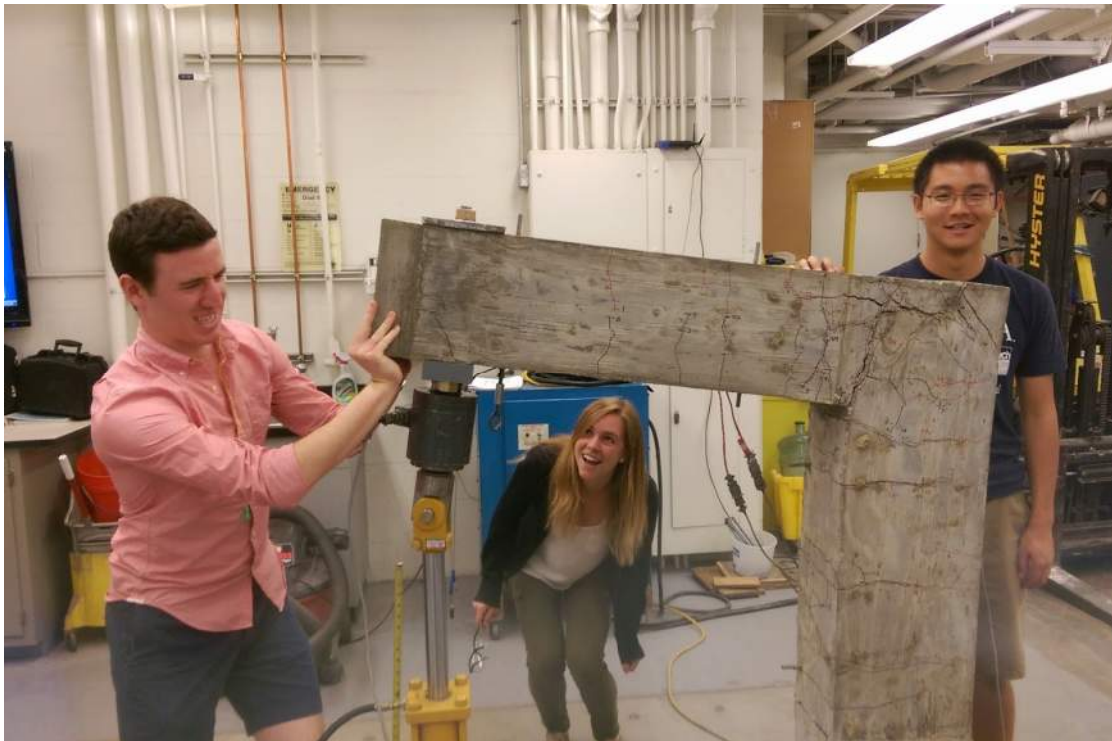
~~Electrical Engineering~~

Civil Engineering



EDUCATION

**B.S. Civil Engineering,
UCLA, 2015**



**M.S. Structural Engineering,
UC Berkeley, 2016**





WALTER P MOORE

SGH

Diagnostics Group





Building Enclosures

- Roofing
- Exterior Walls
- Glazing
- Plaza Decks
- Basements



Building Enclosures

- • Roofing
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BUILDING TECHNOLOGY

SGH

New Design



Investigation



Renovation



INVESTIGATION

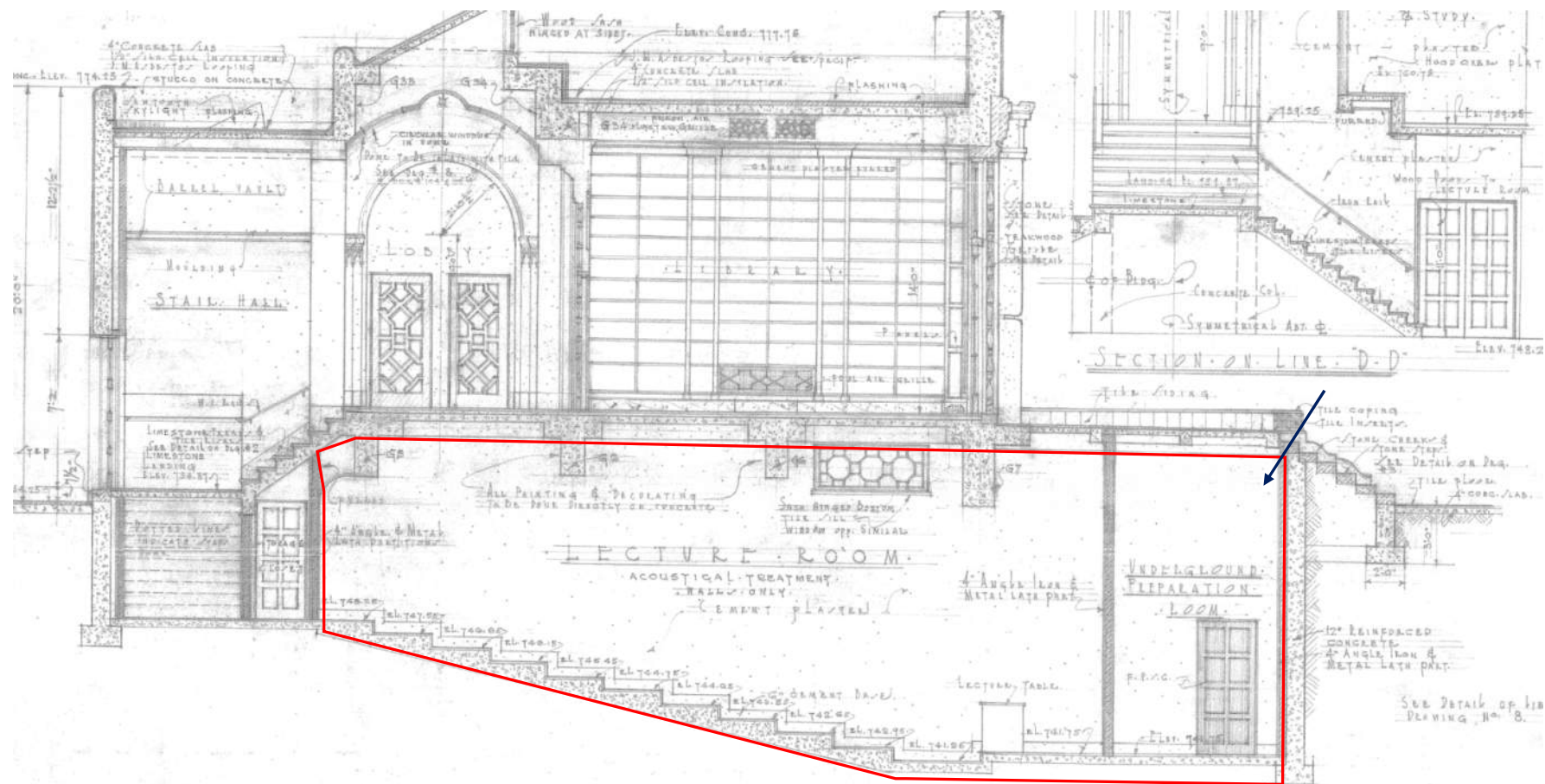
SGH



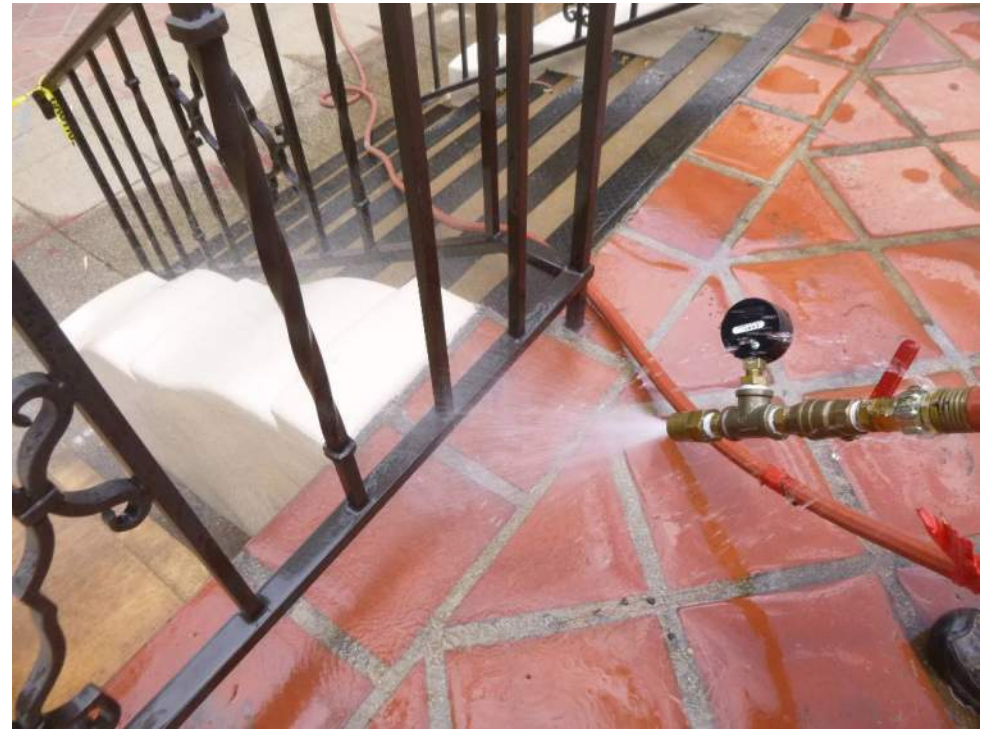
INVESTIGATION



INVESTIGATION



INVESTIGATION



INVESTIGATION



INVESTIGATION



SIMPSON GUMPERTZ & HEGER

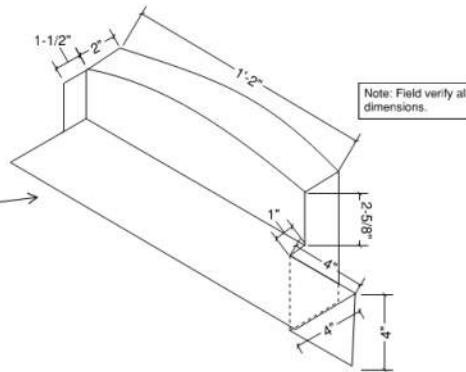
Engineering of Structures
and Building Enclosures

CLIENT **Caltech**

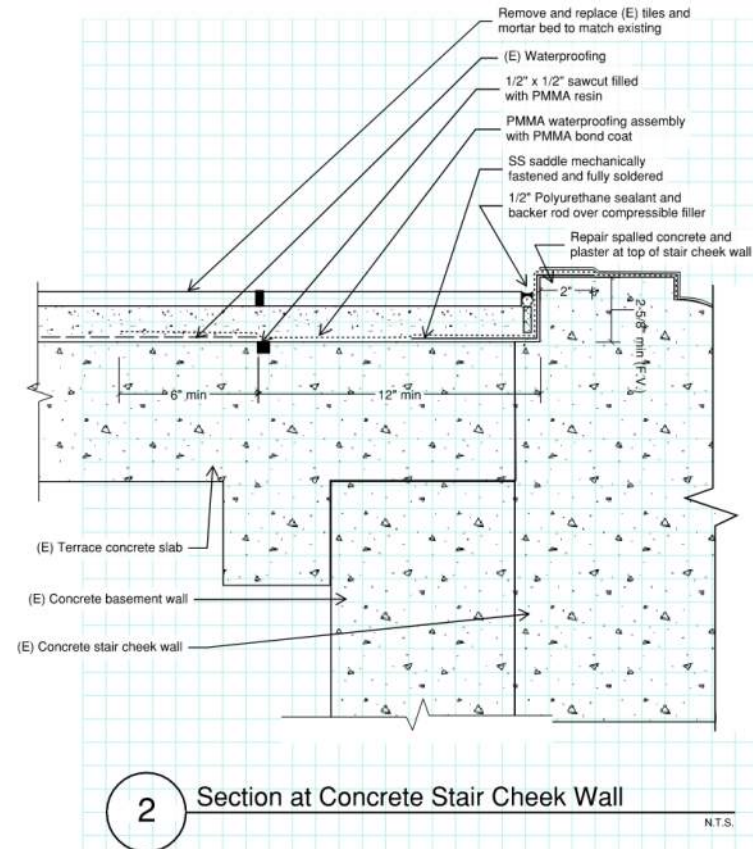
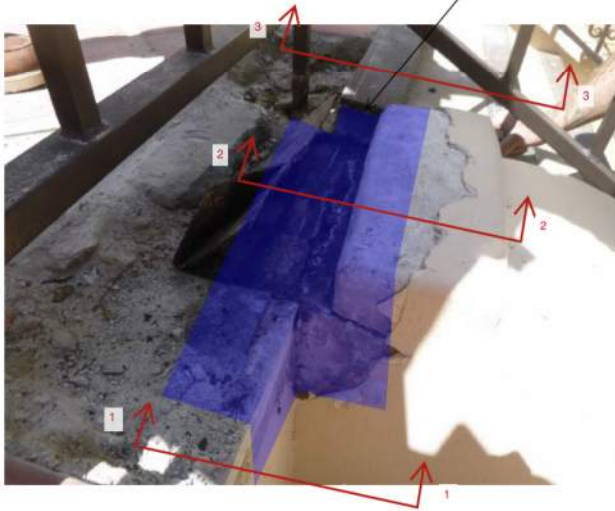
SUBJECT **Gates Annex Terrace Conceptual Waterproofing Repairs**

SHEET NO. 4 of 4
PROJECT NO. 198055.01
DATE 29 May 2020
BY SZP
CHECKED BY ALH

SS saddle fully soldered. Mechanically
attach to substrate and strip leading
edges of SS saddle in new PMMA



Note: Field verify all
dimensions.



2 Section at Concrete Stair Cheek Wall

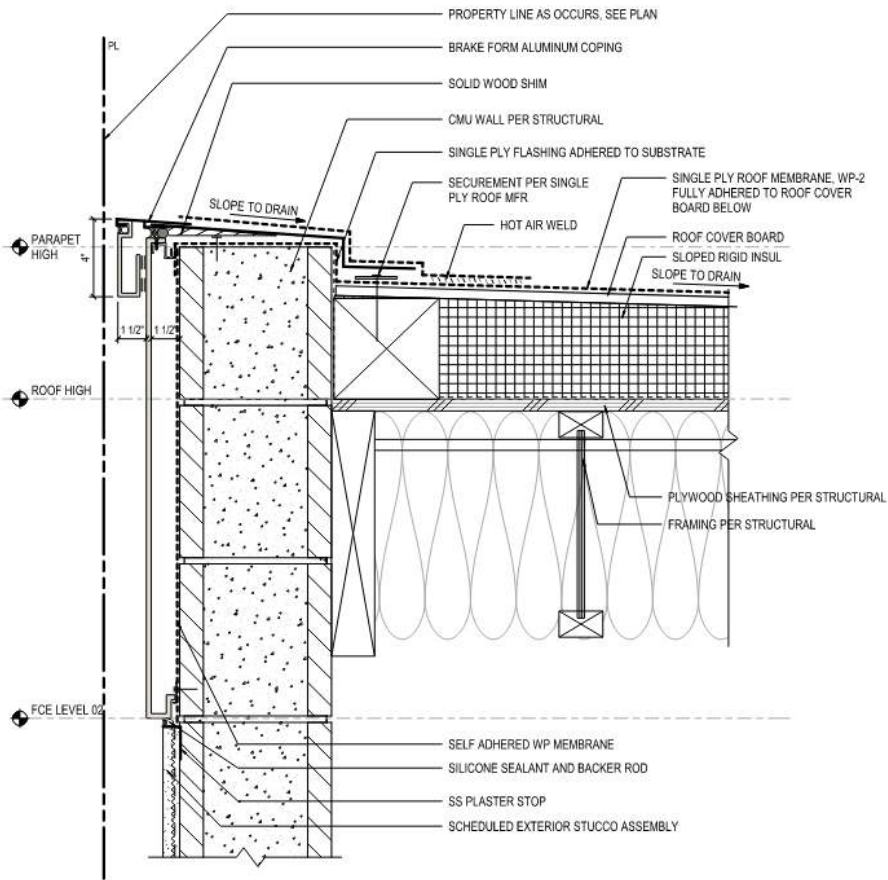
N.T.S.

NEW DESIGN

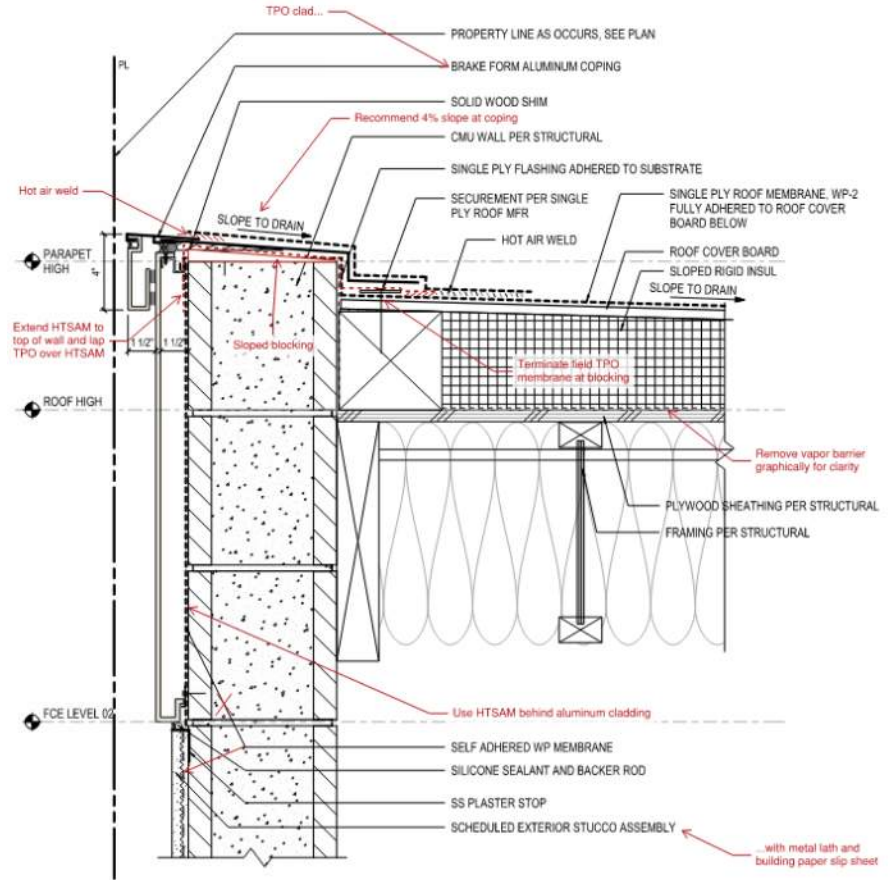
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NEW DESIGN



03 ROOF TERMINATION @ SOUTH CMU WALL
SCALE: 3" = 1'-0"



03 ROOF TERMINATION @ SOUTH CMU WALL
SCALE: 3" = 1'-0"

RENOVATION



Moore Ruble Yudell Architects & Planners are the designer of record for the UCLA Faculty Center roofing replacement. They are located at 933 Pico Boulevard in Santa Monica, California, and can be reached at info@mryarchitects.com

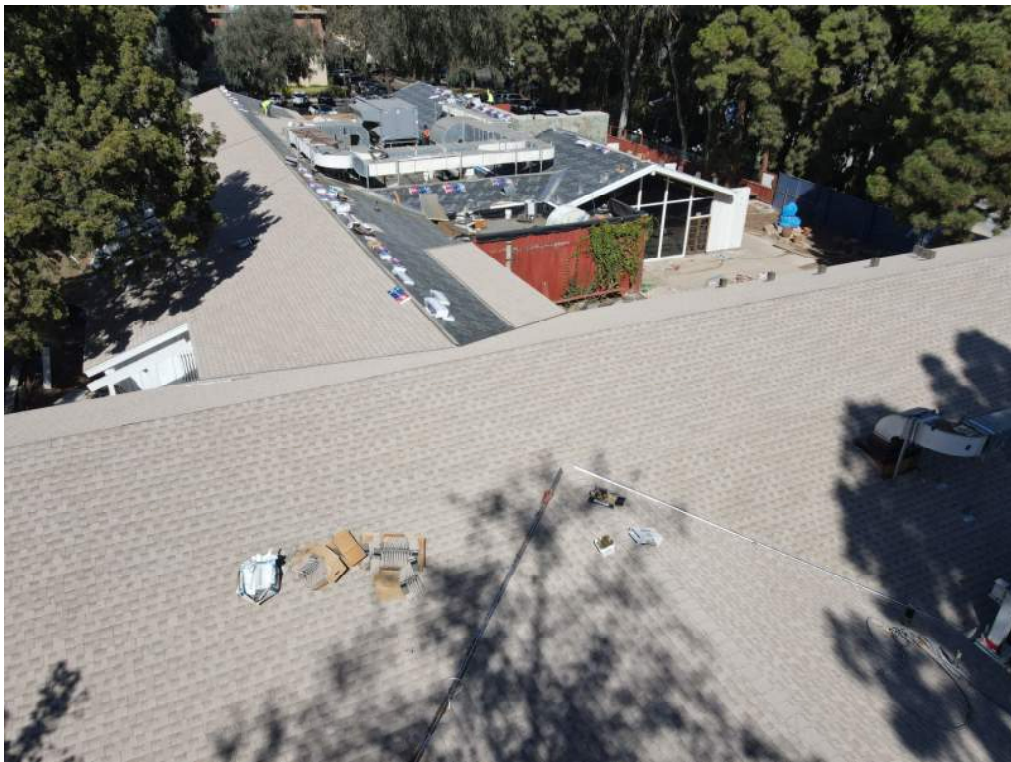


RENOVATION

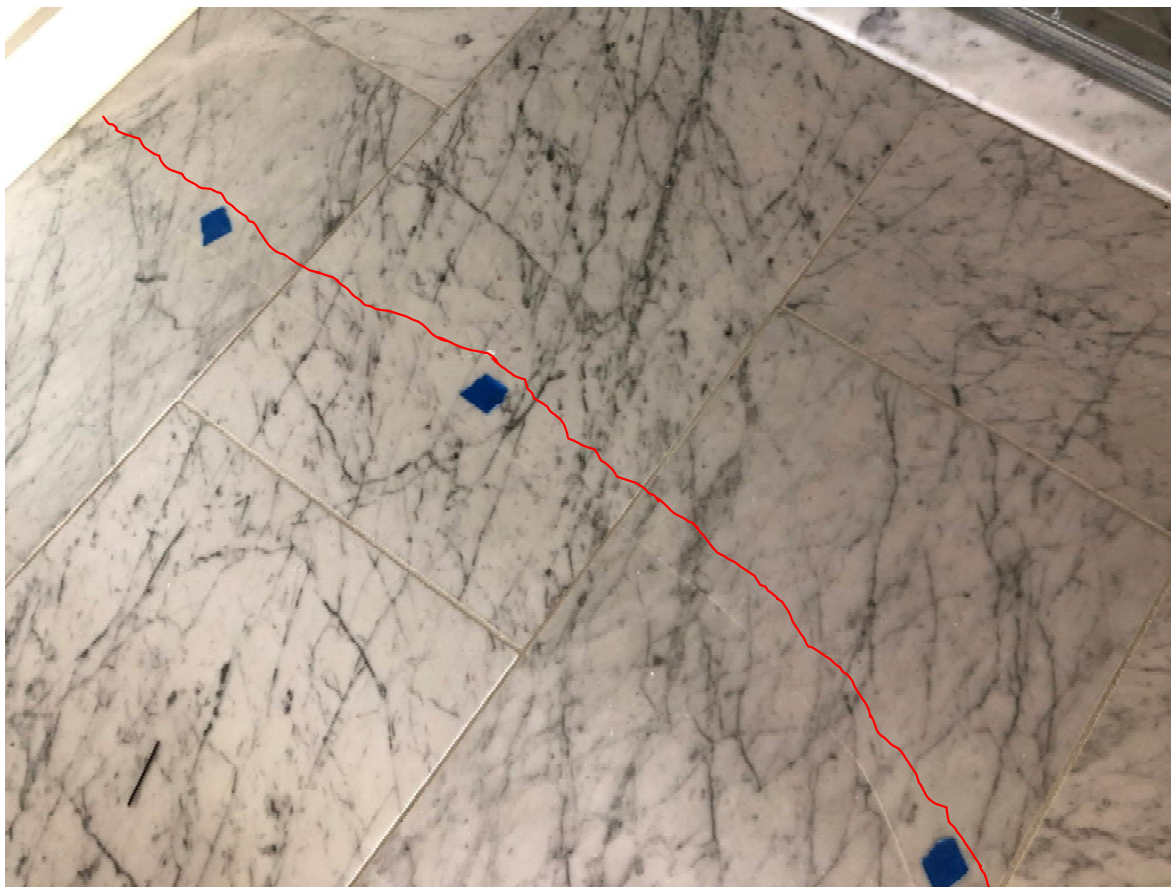
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RENOVATION



CRACKED INTERIOR MARBLE TILE





THE BUILDING ENCLOSURE

SGH

- Structural Safety (wind, seismic, dead weight)
- Water Penetration Resistance
- Air Infiltration Resistance
- Controlled Ventilation
- Condensation Control
- Air Movement (thermal, moisture)
- Energy Efficiency
- Fire Safety
- Aesthetics
- Durability
- Maintainability
- Economy

- **BE A GENERALIST**
- **SEEK OUT MENTORS**
- **TECHNICAL WRITING**



THANK YOU

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SJZABB-PARMLEY@SGH.COM**